FOS CDR RID Report

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Section **Page** **Figure Table**

Category Name Ops Scenario **Actionee** ECS
Sub Category
Subject Operation workload model

Description of Problem or Suggestion:

- It is difficult to determine if the current staffing estimates are reasonable, given the design presented and the requirements of the AM-1 mission. This is the point in the development cycle that total life-cycle trades (operators vs developed code) need to be completed.

- For example, how do the 4 planning and scheduling positions (7 days) correlate to work to be performed?

Originator's Recommendation

Create and maintain a "workload" model by physical operator position. Results should be used to include design and/or refine operator positions. Model should include operator activities and time estimates to perform these activities. Identify tall pole activities.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Rick Hudson **HAIS Schedule**
HAIS R. E. Scott Carter **HAIS Response Date** 11/10/95

Agree - We have taken steps to implement the originator's recommendation. A working paper titled the "Flight Operations Segment (FOS) Operations Report Study for the ECS Project" (MR9405V1) was published in May 1994. This paper contained a FOT Functional Inventory. This Functional Inventory presented a detailed breakout of FOT activities. These activities were further delineated into functions, mechanism, how often, how long, human interaction, criticality of correctness. This white paper was a joint FOS Development and FOT effort. It has been used in design considerations and refining operator positions. Current plans call for this paper to be updated and expanded in the Mission Operations Review (MOR) time frame (6/96). This update will include an expanded FOT Functional Inventory.

A number of "tall pole activities" need to be resolved before a realistic "workload" model can be generated. These activities include: FOT/EDOS interface and scheduling issues/responsibilities, and the results of Reshape efforts; NCC Service Planning Segment Replacement (SPSR) efforts; ASTER "Just-In-Time" scheduling; and workload/interface issues between the FOT and the IOTs. The ECS FOS development and operations teams are working with NASA to resolve these issues, through forums such as AM-1 instrument team workshops, and the Mission Ops working group.

Status **Closed** **Date Closed** **12/14/95** **Sponsor** **Johns**

****** **Attachment if any** ******
